

Nanocapsules based on anionic hydrodispersible polymers , their fabrication process and cosmetic and dermatological compositons containing them

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
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Nanocapsules comprising the following components are new: (a) a lipid core comprising a lipophilic active ingredient (I); and (b) a water-insoluble shell comprising a water-dispersible anionic polymer (II) selected from polyesters, poly(ester amides), polyurethanes, vinyl copolymers, shellac, sandarac gum and dammars. Independent claims are also included for the following: (1) a cosmetic or dermatological composition containing the nanocapsules in a carrier; (2) a process for producing the nanocapsules, comprising: (i) dissolving a lipid phase comprising (I) and optionally a coating agent in a nontoxic organic solvent having a lower boiling point than water; (ii) preparing an aqueous dispersion of (II); (iii) adding a hydrophilic surfactant to the dispersion; (iv) combining the organic phase of (i) with the organic phase of (iii); and (v) evaporating the organic solvent and optionally part of the aqueous phase; (3) a process for producing the nanocapsules, comprising: (i) dissolving (II), a lipid phase comprising (I) and optionally a coating agent in a water-miscible organic solvent; (ii) pouring the solution into an aqueous surfactant solution; and (iii) evaporating the organic solvent and optionally part of the aqueous phase

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